

REMARKS

Summary of the Office Action

Claims 1-7 stand rejected under 35 U.S.C. § 102(e) as being anticipated by Lee (US 2001/0038372).

Claims 8-13 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Lee in view of Okuzono et al. (US 2001/0043178).

Summary of the Response to the Office Action

Applicant has amended claims 1, 5, and 9. Accordingly, claims 1-13 are presently pending for consideration.

The Rejections under 35 U.S.C. § 102

Claims 1-7 stand rejected under 35 U.S.C. § 102(e) as being anticipated by Lee (US 2001/0038372). Applicant respectfully traverses the rejections for at least the following reasons.

With respect to independent claim 1, as amended, Applicant asserts that Lee does not teach or suggest a combination such that maximum gray level value of the modulated most significant bit data including values greater than maximum gray level values of the delayed most significant bit data and the current most significant bit data, as amended. Specifically, Applicant has amended independent claim 1 to more clearly recite the concept intended in accordance with the disclosure at least at paragraphs [0046] to [0048] of the specification. The most relevant features of Lee can be found at FIG. 10 and paragraphs [0090] to [0093]. In Lee, the maximum value for the present gray level (Gn) is 255, and the maximum value for the previous gray level

(Gn-1) is also 255. As shown in the last column of the table in FIG. 10, the maximum values of the modified gray levels (Gn') in Lee are 255. Thus, the maximum values of the modified gray level of Lee do not include values greater than the maximum gray level values of the delayed most significant bit data and the current most significant bit data.

Accordingly, Applicant respectfully asserts that independent claim 1, as amended, is allowable. In addition, Applicant respectfully asserts that dependent claims 2 to 4 are allowable at least because of their respective dependence from independent claim 1, as amended, and the reasons set forth above.

Similarly, Applicant respectfully asserts that Lee does not teach or suggest a combination of independent claim 5, as amended, such that maximum gray level values of the modulated most significant bits including values greater than gray level values of the most significant bits for the (n-1)th frame and the nth frame, and a combination of independent claim 9, as amended, such that a data modulator modulating most significant bits of the video data based on a look-up table having maximum gray level values of the modulated most significant bits including values greater than a maximum gray level value of the most significant bits of the input data, as set forth above.

Applicant also respectfully asserts that dependent claims 6 to 8 and 10 to 13 are allowable at least because of their respective dependence from respective dependent claims 5 and 9, as amended, and the reasons set forth above.

The Rejections under 35 U.S.C. § 103

Claims 8-13 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Lee in view of Okuzono et al. (US 2001/0043178). Applicant respectfully traverses the rejections for at least the following reasons.

With respect to dependent claim 8, Applicant respectfully asserts that the primary reference, Lee, does not disclose at least the claimed features as explained above with regard to the rejections under 35 U.S.C. § 102. Moreover, Applicant respectfully asserts and the secondary reference, Okuzono et al. does not remedy and cure the deficiencies as explained above. As such, claim 8 is allowable at least because of its dependence from independent claim 5, as amended, and the reasons set forth above.

Applicant respectfully asserts that Lee does not teach or suggest a combination of independent claim 9, as amended, such that a data modulator modulating most significant bits of the video data based on a look-up table having a maximum gray level value of the modulated most significant bits greater than a maximum gray level value of the most significant bits of the input data, as set forth above. Further, Applicant respectfully asserts that the Office Action does not rely on Okuzono et al. to teach these features. Moreover, Applicant respectfully asserts that Okuzono et al. cannot remedy these deficiencies of Lee. Therefore, Applicant respectfully asserts that claim 9, as amended, is allowable.

Applicant also respectfully asserts that dependent claims 10 to 13 are allowable at least because of their dependence from independent claim 9, as amended, and the reasons set forth above.

CONCLUSION

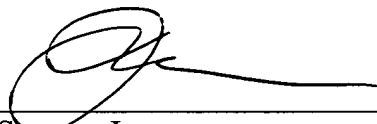
In view of the foregoing, Applicant respectfully requests entry of the amendments, reconsideration and the timely allowance of all pending claims. Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact Applicant's undersigned representative to expedite prosecution.

If there are any other fees due in connection with the filing of this response, please charge the fees to our Deposit Account No. 50-0310. If a fee is required for an extension of time under 37 C.F.R. § 1.136 not accounted for above, such as an extension is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

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